

MIAMI-DADE COUNTY, FLORIDA METRO-DADE FLAGLER BUILDING 140 WEST FLAGLER STREET, SUITE 1603 MIAMI, FLORIDA 33130-1563 (305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

KML Windows, Inc. 23 Buchanan Court London, Ontario, Canada N5Z 4P9

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Aluminum Clad Direct Set Glazed Wood Fixed Window-Non-Impact Resistant

APPROVAL DOCUMENT: Drawing No.1225B, titled "Aluminum Clad Wood Direct Glazed Fixed Non-Impact Windows", sheets 1 through 6 of 6, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 5/13/03, signed and sealed by Warren Schaefer, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 00-1030.04 and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Theodore Berman**, **P.E.**

(g/b)

NOA No 03-0625.08 Expiration Date: April 19, 2004 Approval Date: October 09, 2003 Page 1

KML Windows, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No.**1225B**, titled "Aluminum Clad Wood Direct Glazed Fixed Non-Impact Windows", sheets 1 through 6 of 6, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 5/13/03, signed and sealed by Warren Schaefer, P.E.

B. TESTS

Submitted under NOA# 00-1030.04

- 1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94 along with installation diagram of direct set wood fixed windows of different shapes, prepared by Intertek Testing Services NA Inc., Test Report No. **J99022770-231-01**, dated October 9, 2000, signed and sealed by Douglas Keith Tucker, P.E
- 2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94

along with installation diagram of direct set wood fixed windows of different shapes, prepared by Intertek Testing Services NA Inc., Test Report No. **J99022770-231-02**, dated October 10, 2000, signed and sealed by Douglas Keith Tucker, P.E

B. CALCULATIONS

1. Glass Load Resistance Report and ASTM E-1300, dated 5/22/03, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren Schaefer, P.E.

Submitted under NOA# 00-1030.04

2. Engineering Calculations prepared by W.W. Schaefer Engineering & Consulting, P.A, dated 8/28/00, sheets 1 thru 9 of 9, signed and sealed by Warren W. Schaefer, P.E.

Theodore Berman, P.È.

Deputy Director, Product Control Division

Steerdore

NOA No 03-0625.08

Expiration Date: April 19, 2004 Approval Date: October 09, 2003

KML Windows, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. MATERIAL CERTIFICATIONS

Submitted under NOA# 00-1030.04

1. Notice of Acceptance No. **00-0524.06** issued to Nebula Glass International Inc. for "Glasslam Safety-Plus Laminated Glass" dated 9/21/00, expiring on 9/9/03.

D. STATEMENTS

1. None

E. QUALITY ASSURANCE

1. Miami Dade County Building Code Compliance Office.

F. OTHER

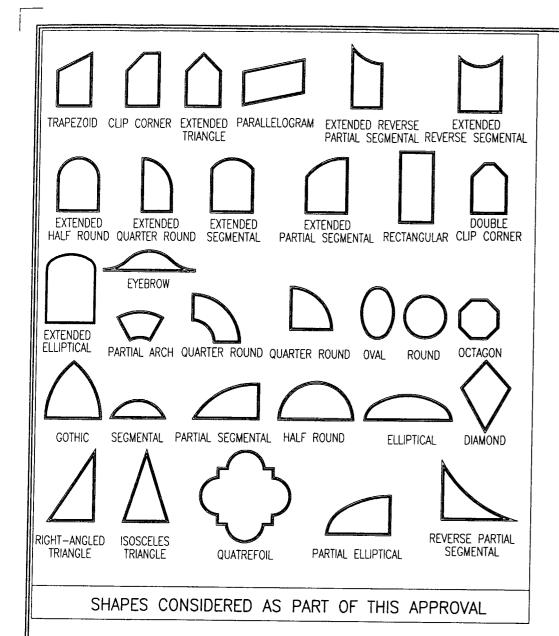
1. Notice of Acceptance No. **00-1030.04**, issued to KML Window, Inc., Aluminum Clad Direct Set Glazed Wood Fixed Window, approved on 4/19/01 and expiring on 4/19/04.

Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 03-0625.08

Expiration Date: April 19, 2004 Approval Date: October 09, 2003



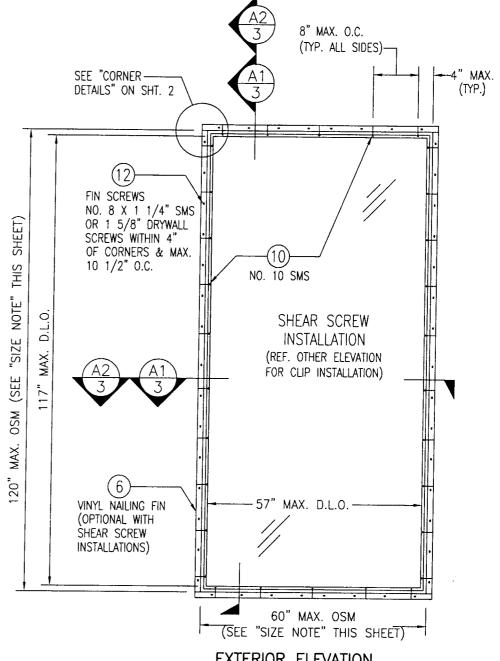
NOTE: FOR COMBINATION
OF UNITS. SEE
MULLION DRAWING
NO. 1003E UNDER
SEPERATE APPROVAL

SIZE NOTE:

WINDOW SIZE & LOAD SHALL BE LIMITED BY THOSE SIZES & LOADS SPECIFIED IN THE LOAD TABLES ON SHEET 5.

ALLOWABLE DESIGN LOADS

SEE "LOAD TABLE" ON SHEET 5



CHECKED BY W.W.S. DATE: 05/13/03

1=24

WINDOWS

NON-IMPACT

GLAZED FIXED

DIRECT

CLAD

ALUMINUM

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1225B

SHEET NO.

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KML WINDOWS, INC.
23 BUCHANAN COURT
N, ONTARIO, CANADA N5Z4P9
(519) 681-7012

23 LONDON, 0

EXTERIOR ELEVATION
RECTANGULAR UNIT
SCALE: 1/2"=1'-0"

(60" X 120" SIZE SHOWN. FOR OTHER APPLICABLE MAXIMUM SIZES, SEE LOAD TABLE ON SHEET 5)

PRODUCT REVISED

Building Code Acceptance NoO3-O6

as complying with the Florida

Miani Dade Product Control

JAMB FASTENER MIN. EMBEDMENT INTO OPENING OR BUCK EXAMPLE 1. STATEMENT STA

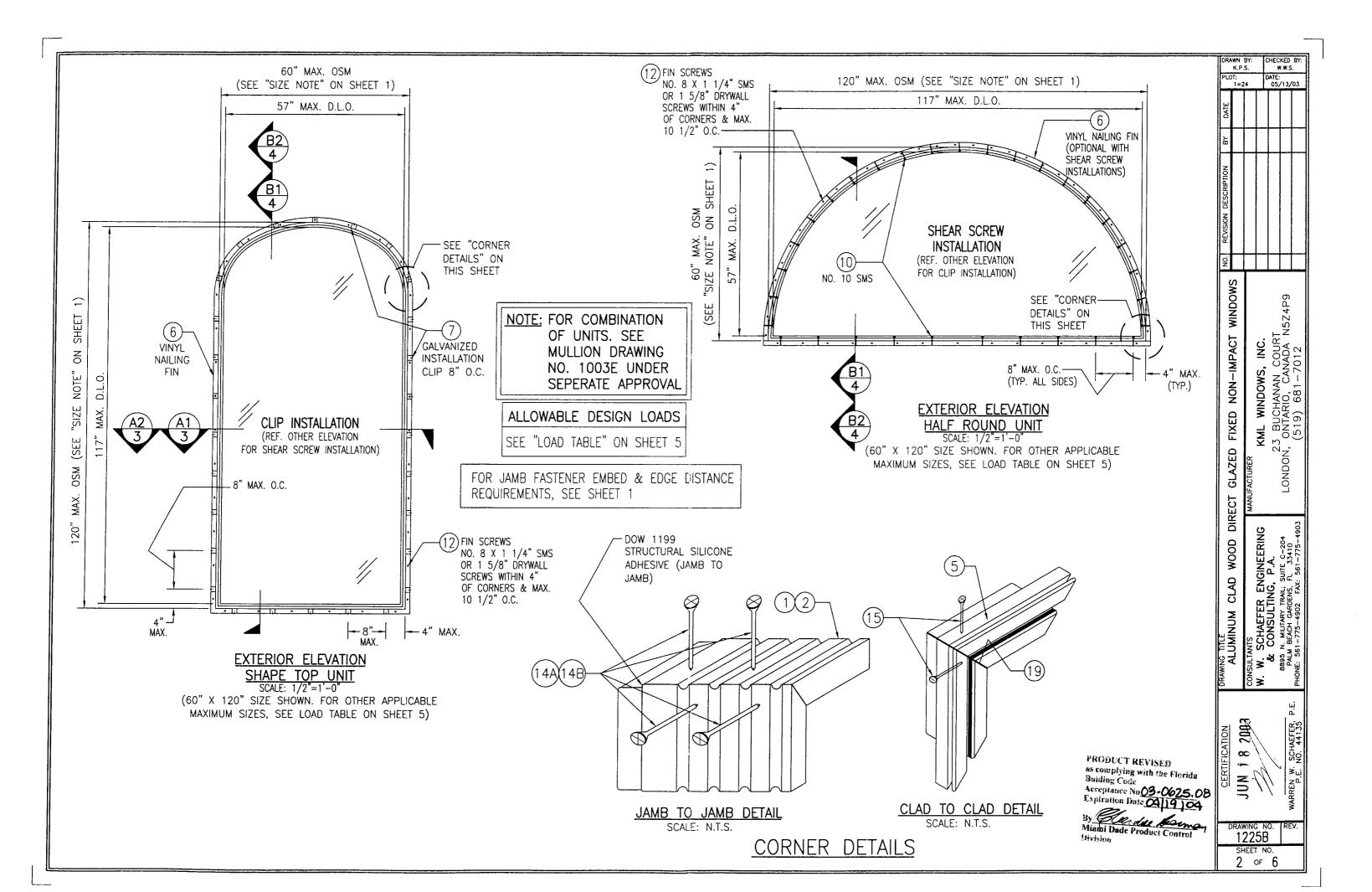
NO. 10 SMS SCREWS INTO BUCK = 1 3/8"
1/4" TAPCON INTO CONCRETE/BLOCK = 1 1/4"

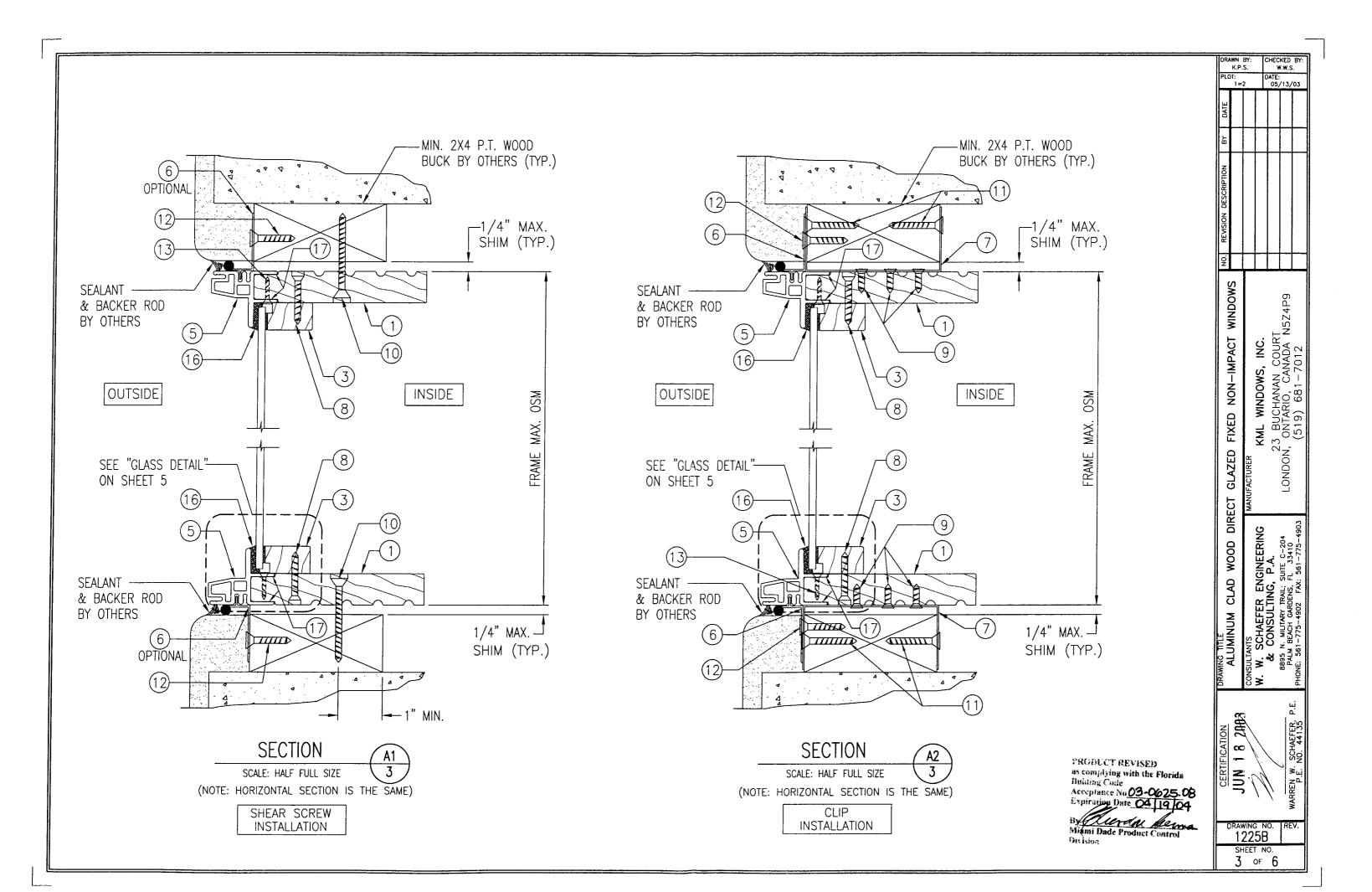
JAMB FASTENER MINIMUM EDGE DISTANCE AT OPENING OR BUCK

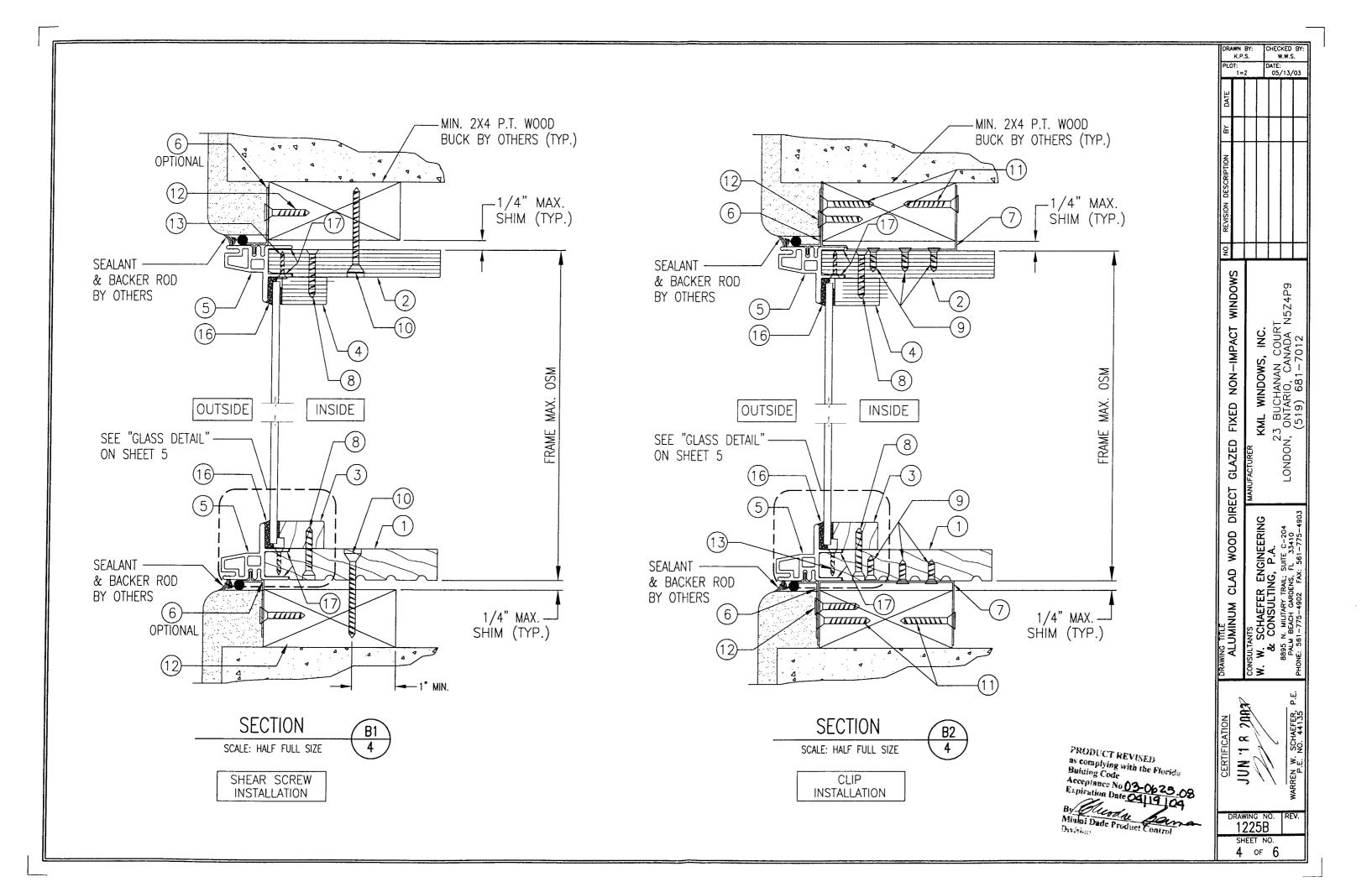
WOOD BUCK = 1" CONCRETE/BLOCK = 2"

GENERAL NOTES

- 1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE LOAD TABLES ON SHEET 1, 2 & 5.
- 2. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE DESIGNED & INSTALLED TO WITHSTAND WIND LOADS AS DETERMINED FOR EA. APPLICATION
- 3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
- 4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS PROPOSED FOR WATER, AIR & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH FLORIDA BUILDING CODE PROTOCOLS TAS 202 FOR NON-IMPACT WINDOWS.
- 5. ALL JAMB TO BUCKING SHEAR FASTENERS MUST PENETRATE BUCK A MINIMUM OF 1 3/8". IF PENETRATION IS LESS THAN 1 3/8" THEN SCREW LENGTH SHALL INCREASE AS REQUIRED.
- 6. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
- 7. THIS PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH FLORIDA BUILDING CODE PROTOCOLS TAS-202.
- 8. THE LARGER WINDOW DIMENSION MAY BE EITHER HORIZONTAL OR VERTICAL
- 9. FOR ALL NON-IMPACT WINDOWS, FLORIDA BUILDING CODE APPROVED SHUTTERS ARE REQUIRED.





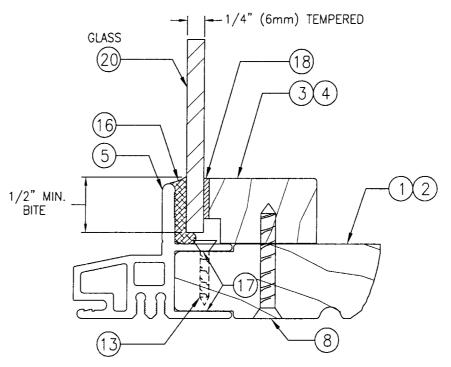


 	N LOAD C		<u>`</u>		DESIGN LOAD CAPACITY (PSF)					
WINDOW :	SIZE (OSM)	GLAS	SS 20		WINDOW S	SIZE (OSM)	GLAS	SS 20		
SHORT	LONG				SHORT	LONG				
SIDE	SIDE	POS	NEG		SIDE	SIDE	POS	NEG		
24"		100	200		24"		100	171		
30"	36"	100	160		30"		100	142		
36"		100	133		36"		100	123		
24"		100	200		42"		96	102		
30"		100	160		48"	96"	88	95		
36"	48"	100	133		54"		78	89		
42"		100	114	ı	60"		70	80		
48"		88	100		66"		64	73		
24"		100	188		72"		58	67		
30"		100	160		24"		100	169		
36"		100	133		30"		100	139		
42"	60"	100	114		36"		100	120		
48"		88	100	ĺ	42"	108"	93	93		
54"		78	89		48"	100	81	81		
60"		70	80		54"		78	79		
24"		100	180		60"		70	79		
30"		100	152	Į	66"		64	73		
36"		100	133	Ĺ	24"		100	167		
42"		100	114	l	30"		100	137		
48"	72"	88	100	L	36"		100	116		
54"		78	89		42"	120"	86	86		
60"		70	80	ļ	48"		73	73		
66"		64	73	1	54"		69	69		
72"		58	67	L	60"		68	68		
24"	ļ	100	175	L	24"		100	165		
30"		100	146	L	30"		100	135		
36"]	100	127		36"	132"	100	112		
42"		100	114	L	42"	, 52	82	82		
48"	84"	88	100	L	48"]	67	67		
54"		78	89		54"		60	60		
60"		70	80		24"	[100	164		
66"	Ļ	64	73	L	30"	_	100	133		
72"		58	67	L	36"	144"	97	108		
GLASS 20 =	= 1/4" (6 m	nm) TEMPE	RED	L	42"		79	79		
	., . (-, -		L	48"		62	62		

NOTE: HEIGHT & WIDTH CAN BE INTERCHANGED

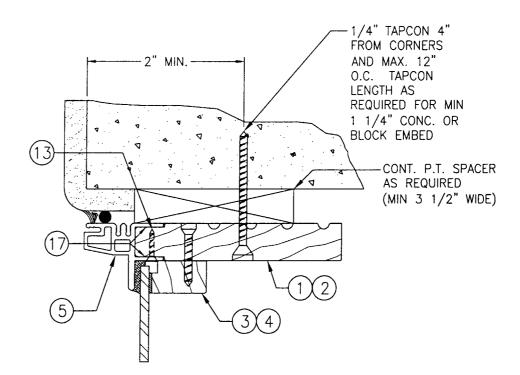
NOTES:

- 1. THE LOADS IN THESE TABLES ARE AS DETERMINED BY TESTING & COMPARATIVE ANALYSIS WITH THE CONTROLLING FACTOR BEING THE WORSE CASE OF GLASS SIZE & AREA, UNIT AREA, OR FASTENER CAPABILITY.
- 2. THE LOADS IN THESE TABLES MAY NOT BE INTERPOLATED.
- 3. THE PRESSURES IN THESE TABLES CONSIDER A JAMB FASTENER SPACING OF 8" O.C. PRESSURES MUST BE REDUCED TO ± -62 PSF IF 12" SPACING IS USED.



TYPICAL GLASS & GLAZING DETAIL

SCALE: FULL SIZE



OPTIONAL JAMB DETAIL FOR DIRECT MOUNT TO CONCRETE OR BLOCK

(TYP. ALL UNITS) SCALE: 1/2 FULL SIZE PRODUCT REVISED as complying with the Florids Building Code Acceptance No 03-0625.08 Expiration Date 04 [19 104]

By Llevall Lower Minhi Dade Product Control Division

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REVISION DESCRIPTION						
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DRAWING TITLE ALLIMINITY OF AD WOOD DID	ALCIMINAIM CLAD MOOD DIR	CONSULTANTS	W. W. SCHAEFER ENGINEERING	& CONSULTING, P.A.	8895 N. MILITARY TRAIL; SUITE C-204 PALM BEACH GARDENS: FL 33410	PHONE: 561-775-4902 FAX: 561-775-4903
CERTIFICATION	SULL X L NOC				D G GERNANDS W NEGOTIAN	P.E. NO. 44135
D	RAV 12	22.	5B	o. O	RE	V.
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CHECKED 8Y: W.W.S. DATE: 05/13/03

